Drawing Review Request
Transmittal

Examining Group Person-Please complete the top part of this transmittal and attach it to the complete set of drawing. Deliver drawings and this transmittal form to 7B02 (Drafting Incoming Box).

Turner
_____
Examiner/ Clerk

1647
_____
Group/ Art Unit

9-9-02
_____
Date

09/668 314
_____
Application/ Serial Number

20
_____
Number of Sheet(s) of Drawings

Transmitted:

__X__ Complete set of drawings for review. No previous PTO-948

_____ Complete set of drawings for review. Latest PTO-948 attached.

DRAFTING PERSONNEL:
Complete new PTO-948 and return with drawing(s).

Comments:_____
_____
_____
_____
_____
_____
_____

FIGURE 1 (1)

```
ATGGGCGCACTGGCCCGGGCGCTGCTGCTGCCTCTGCTGGCCCAGTGGCTCCTGCGCGCC
M   G   A   L   A   R   A   L   L   L   P   L   L   A   Q   W   L   L   R   A

CCCCGGAGCTGGCCCCCGCGCCCTTCACGCTGCCCCTCCGGGTGGCCGCGGCCACGAAC
A   P   E   L   A   P   A   P   F   T   L   P   L   R   V   A   A   A   T   N

CGCGTAGTTGCGCCCACCCCGGGACCCGGGACCCCTGCCGAGCGCCACGCCGACGGCTTG
R   V   V   A   P   T   P   G   P   G   T   P   A   E   R   H   A   D   G   L

GCGCTCGCCCTGGAGCCTGCCCTGGCGTCCCCCGCGGGCGCCGCCAACTTCTTGGCCATG
A   L   A   L   E   P   A   L   A   S   P   A   G   A   A   N   F   L   A   M

GTAGACAACCTGCAGGGGGACTCTGGCCGCGGCTACTACCTGGAGATGCTGATCGGGACC
V   D   N   L   Q   G   D   S   G   R   G   Y   Y   L   E   M   L   I   G   T

CCCCCGCAGAAGCTACAGATTCTCGTTGACACTGGAAGCAGTAACTTTGCCGTGGCAGGA
P   P   Q   K   L   Q   I   L   V   D   T   G   S   S   N   F   A   V   A   G

ACCCCGCACTCCTACATAGACACGTACTTTGACACAGAGAGGTCTAGCACATACCGCTCC
T   P   H   S   Y   I   D   T   Y   F   D   T   E   R   S   S   T   Y   R   S

AAGGGCTTTGACGTCACAGTGAAGTACACACAAGGAAGCTGGACGGGCTTCGTTGGGGAA
K   G   F   D   V   T   V   K   Y   T   Q   G   S   W   T   G   F   V   G   E

GACCTCGTCACCATCCCCAAAGGCTTCAATACTTCTTTTCTTGTCAACATTGCCACTATT
D   L   V   T   I   P   K   G   F   N   T   S   F   L   V   N   I   A   T   I

TTTGAATCAGAGAATTTCTTTTTGCCTGGGATTAAATGGAATGGAATACTTGGCCTAGCT
F   E   S   E   N   F   F   L   P   G   I   K   W   N   G   I   L   G   L   A

TATGCCACACTTGCCAAGCCATCAAGTTCTCTGGAGACCTTCTTCGACTCCCTGGTGACA
Y   A   T   L   A   K   P   S   S   S   L   E   T   F   F   D   S   L   V   T

CAAGCAAACATCCCCAACGTTTTTCTCCATGCAGATGTGTGGAGCCGGCTTGCCCGTTGCT
Q   A   N   I   P   N   V   F   S   M   Q   M   C   G   A   G   L   P   V   A

GGATCTGGGACCAACGGAGGTAGTCTTGTCTTGGGTGGAATTGAACCAAGTTTGTATAAA
G   S   G   T   N   G   G   S   L   V   L   G   G   I   E   P   S   L   Y   K

GGAGACATCTGGTATACCCCTATTAAGGAAGAGTGGTACTACCAGATAGAAATTCTGAAA
G   D   I   W   Y   T   P   I   K   E   E   W   Y   Y   Q   I   E   I   L   K

TTGGAAATTGGAGGCCAAAGCCTTAATCTGGACTGCAGAGAGTATAACGCAGACAAGGCC
L   E   I   G   G   Q   S   L   N   L   D   C   R   E   Y   N   A   D   K   A

ATCGTGGACAGTGGCACCACGCTGCTGCGCCTGCCCCAGAAGGTGTTTGATGCGGTGGTG
I   V   D   S   G   T   T   L   L   R   L   P   Q   K   V   F   D   A   V   V

GAAGCTGTGGCCCGCGCATCTCTGATTCCAGAATTCTCTGATGGTTTCTGGACTGGGTCC
E   A   V   A   R   A   S   L   I   P   E   F   S   D   G   F   W   T   G   S

CAGCTGGCGTGCTGGACGAATTCGGAAACACCTTGGTCTTACTTCCCTAAAATCTCCATC
Q   L   A   C   W   T   N   S   E   T   P   W   S   Y   F   P   K   I   S   I

TACCTGAGAGATGAGAACTCCAGCAGGTCATTCCGTATCACAATCCTGCCTCAGCTTTAC
Y   L   R   D   E   N   S   S   R   S   F   R   I   T   I   L   P   Q   L   Y

ATTCAGCCCATGATGGGGGCCGGCCTGAATTATGAATGTTACCGATTCGGCATTTCCCCA
I   Q   P   M   M   G   A   G   L   N   Y   E   C   Y   R   F   G   I   S   P
```

TCCACAAATGCGCTGGTGATCGGTGCCACGGTGATGGAGGGCTTCTACGTCATCTTCGAC
S T N A L V I G A T V M E G F Y V I F D

AGAGCCCAGAAGAGGGTGGGCTTCGCAGCGAGCCCCTGTGCAGAAATTGCAGGTGCTGCA

FIGURE 1 (2)

```
R  A  Q  K  R  V  G  F  A  A  S  P  C  A  E  I  A  G  A  A

GTGTCTGAAATTTCCGGGCCTTTCTCAACAGAGGATGTAGCCAGCAACTGTGTCCCCGCT
V  S  E  I  S  G  P  F  S  T  E  D  V  A  S  N  C  V  P  A

CAGTCTTTGAGCGAGCCCATTTTGTGGATTGTGTCCTATGCGCTCATGAGCGTCTGTGGA
Q  S  L  S  E  P  I  L  W  I  V  S  Y  A  L  M  S  V  C  G

GCCATCCTCCTTGTCTTAATCGTCCTGCTGCTGCTGCCGTTCCGGTGTCAGCGTCGCCCC
A  I  L  L  V  L  I  V  L  L  L  L  P  F  R  C  Q  R  R  P

CGTGACCCTGAGGTCGTCAATGATGAGTCCTCTCTGGTCAGACATCGCTGGAAATGAATA
R  D  P  E  V  V  N  D  E  S  S  L  V  R  H  R  W  K

GCCAGGCCTGACCTCAAGCAACCATGAACTCAGCTATTAAGAAAATCACATTTCCAGGGC
AGCAGCCGGGATCGATGGTGGCGCTTTCTCCTGTGCCCACCCGTCTTCAATCTCTGTTCT
GCTCCCAGATGCCTTCTAGATTCACTGTCTTTTGATTCTTGATTTTCAAGCTTTCAAATC
CTCCCTACTTCCAAGAAAAATAATTAAAAAAAAAAACTTCATTCTAAACCAAAAAAAAAAA
AAAA
```

FIGURE 2 (1)

```
ATGGCCCAAGCCCTGCCCTGGCTCCTGCTGTGGATGGGCGCGGGAGTGCTGCCTGCCCAC
M   A   Q   A   L   P   W   L   L   L   W   M   G   A   G   V   L   P   A   H

GGCACCCAGCACGGCATCCGGCTGCCCCTGCGCAGCGGCCTGGGGGGCGCCCCCCTGGGG
G   T   Q   H   G   I   R   L   P   L   R   S   G   L   G   G   A   P   L   G

CTGCGGCTGCCCCGGGAGACCGACGAAGAGCCCGAGGAGCCCGGCCGGAGGGGCAGCTTT
L   R   L   P   R   E   T   D   E   E   P   E   E   P   G   R   R   G   S   F

GTGGAGATGGTGGACAACCTGAGGGGCAAGTCGGGGCAGGGCTACTACGTGGAGATGACC
V   E   M   V   D   N   L   R   G   K   S   G   Q   G   Y   Y   V   E   M   T

GTGGGCAGCCCCCCGCAGACGCTCAACATCCTGGTGGATACAGGCAGCAGTAACTTTGCA
V   G   S   P   P   Q   T   L   N   I   L   V   D   T   G   S   S   N   F   A

GTGGGTGCTGCCCCCCACCCCTTCCTGCATCGCTACTACCAGAGGCAGCTGTCCAGCACA
V   G   A   A   P   H   P   F   L   H   R   Y   Y   Q   R   Q   L   S   S   T

TACCGGGACCTCCGGAAGGGTGTGTATGTGCCCTACACCCAGGGCAAGTGGGAAGGGGAG
Y   R   D   L   R   K   G   V   Y   V   P   Y   T   Q   G   K   W   E   G   E

CTGGGCACCGACCTGGTAAGCATCCCCCATGGCCCCAACGTCACTGTGCGTGCCAACATT
L   G   T   D   L   V   S   I   P   H   G   P   N   V   T   V   R   A   N   I

GCTGCCATCACTGAATCAGACAAGTTCTTCATCAACGGCTCCAACTGGGAAGGCATCCTG
A   A   I   T   E   S   D   K   F   F   I   N   G   S   N   W   E   G   I   L

GGGCTGGCCTATGCTGAGATTGCCAGGCTTTGTGGTGCTGGCTTCCCCCCTCAACCAGTCT
G   L   A   Y   A   E   I   A   R   L   C   G   A   G   F   P   L   N   Q   S

GAAGTGCTGGCCTCTGTCGGAGGGAGCATGATCATTGGAGGTATCGACCACTCGCTGTAC
E   V   L   A   S   V   G   G   S   M   I   I   G   G   I   D   H   S   L   Y

ACAGGCAGTCTCTGGTATACACCCATCCGGCGGGAGTGGTATTATGAGGTGATCATTGTG
T   G   S   L   W   Y   T   P   I   R   R   E   W   Y   Y   E   V   I   I   V

CGGGTGGAGATCAATGGACAGGATCTGAAAATGGACTGCAAGGAGTACAACTATGACAAG
R   V   E   I   N   G   Q   D   L   K   M   D   C   K   E   Y   N   Y   D   K

AGCATTGTGGACAGTGGCACCACCAACCTTCGTTTGCCCAAGAAAGTGTTTGAAGCTGCA
S   I   V   D   S   G   T   T   N   L   R   L   P   K   K   V   F   E   A   A

GTCAAATCCATCAAGGCAGCCTCCTCCACGGAGAAGTTCCCTGATGGTTTCTGGCTAGGA
V   K   S   I   K   A   A   S   S   T   E   K   F   P   D   G   F   W   L   G

GAGCAGCTGGTGTGCTGGCAAGCAGGCACCACCCCTTGGAACATTTTCCCAGTCATCTCA
E   Q   L   V   C   W   Q   A   G   T   T   P   W   N   I   F   P   V   I   S

CTCTACCTAATGGGTGAGGTTACCAACCAGTCCTTCCGCATCACCATCCTTCCGCAGCAA
L   Y   L   M   G   E   V   T   N   Q   S   F   R   I   T   I   L   P   Q   Q

TACCTGCGGCCAGTGGAAGATGTGGCCACGTCCCAAGACGACTGTTACAAGTTTGCCATC
```

FIGURE 2 (2)

```
         Y   L   R   P   V   E   D   V   A   T   S   Q   D   D   C   Y   K   F   A   I

TCACAGTCATCCACGGGCACTGTTATGGGAGCTGTTATCATGGAGGGCTTCTACGTTGTC
 S   Q   S   S   T   G   T   V   M   G   A   V   I   M   E   G   F   Y   V   V

TTTGATCGGGCCCGAAAACGAATTGGCTTTGCTGTCAGCGCTTGCCATGTGCACGATGAG
 F   D   R   A   R   K   R   I   G   F   A   V   S   A   C   H   V   H   D   E

TTCAGGACGGCAGCGGTGGAAGGCCCTTTTGTCACCTTGGACATGGAAGACTGTGGCTAC
 F   R   T   A   A   V   E   G   P   F   V   T   L   D   M   E   D   C   G   Y

AACATTCCACAGACAGATGAGTCAACCCTCATGACCATAGCCTATGTCATGGCTGCCATC
 N   I   P   Q   T   D   E   S   T   L   M   T   I   A   Y   V   M   A   A   I

TGCGCCCTCTTCATGCTGCCACTCTGCCTCATGGTGTGTCAGTGGCGCTGCCTCCGCTGC
 C   A   L   F   M   L   P   L   C   L   M   V   C   Q   W   R   C   L   R   C

CTGCGCCAGCAGCATGATGACTTTGCTGATGACATCTCCCTGCTGAAGTGAGGAGGCCCA
 L   R   Q   Q   H   D   D   F   A   D   D   I   S   L   L   K

TGGGCAGAAGATAGAGATTCCCCTGGACCACACCTCCGTGGTTCACTTTGGTCACAAGTA
GGAGACACAGATGGCACCTGTGGCCAGAGCACCTCAGGACCCTCCCCACCCACCAAATGC
CTCTGCCTTGATGGAGAAGGAAAAGGCTGGCAAGGTGGGTTCCAGGGACTGTACCTGTAG
GAAACAGAAAAGAGAAGAAAGAAGCACTCTGCTGGCGGGAATACTCTTGGTCACCTCAAA
TTTAAGTCGGGAAATTCTGCTGCTTGAAACTTCAGCCCTGAACCTTTGTCCACCATTCCT
TTAAATTCTCCAACCCAAAGTATTCTTCTTTTCTTAGTTTCAGAAGTACTGGCATCACAC
GCAGGTTACCTTGGCGTGTGTCCCTGTGGTACCCTGGCAGAGAAGAGACCAAGCTTGTTT
CCCTGCTGGCCAAAGTCAGTAGGAGAGGATGCACAGTTTGCTATTTGCTTTAGAGACAGG
GACTGTATAAACAAGCCTAACATTGGTGCAAAGATTGCCTCTTGAAAAAAAAAAAAA
```

FIGURE 3 (1)

```
ATGGCCCAAGCCCTGCCCTGGCTCCTGCTGTGGATGGGCGCGGGAGTGCTGCCTGCCCAC
M   A   Q   A   L   P   W   L   L   L   W   M   G   A   G   V   L   P   A   H

GGCACCCAGCACGGCATCCGGCTGCCCCTGCGCAGCGGCCTGGGGGGCGCCCCCCTGGGG
G   T   Q   H   G   I   R   L   P   L   R   S   G   L   G   G   A   P   L   G

CTGCGGCTGCCCCGGGAGACCGACGAAGAGCCCGAGGAGCCCGGCCGGAGGGGCAGCTTT
L   R   L   P   R   E   T   D   E   E   P   E   E   P   G   R   R   G   S   F

GTGGAGATGGTGGACAACCTGAGGGGCAAGTCGGGGCAGGGCTACTACGTGGAGATGACC
V   E   M   V   D   N   L   R   G   K   S   G   Q   G   Y   Y   V   E   M   T

GTGGGCAGCCCCCCGCAGACGCTCAACATCCTGGTGGATACAGGCAGCAGTAACTTTGCA
V   G   S   P   P   Q   T   L   N   I   L   V   D   T   G   S   S   N   F   A

GTGGGTGCTGCCCCCCACCCCTTCCTGCATCGCTACTACCAGAGGCAGCTGTCCAGCACA
V   G   A   A   P   H   P   F   L   H   R   Y   Y   Q   R   Q   L   S   S   T

TACCGGGACCTCCGGAAGGGTGTGTATGTGCCCTACACCCAGGGCAAGTGGGAAGGGGAG
Y   R   D   L   R   K   G   V   Y   V   P   Y   T   Q   G   K   W   E   G   E

CTGGGCACCGACCTGGTAAGCATCCCCCATGGCCCCAACGTCACTGTGCGTGCCAACATT
L   G   T   D   L   V   S   I   P   H   G   P   N   V   T   V   R   A   N   I

GCTGCCATCACTGAATCAGACAAGTTCTTCATCAACGGCTCCAACTGGGAAGGCATCCTG
A   A   I   T   E   S   D   K   F   F   I   N   G   S   N   W   E   G   I   L

GGGCTGGCCTATGCTGAGATTGCCAGGCCTGACGACTCCCTGGAGCCTTTCTTTGACTCT
G   L   A   Y   A   E   I   A   R   P   D   D   S   L   E   P   F   F   D   S

CTGGTAAAGCAGACCCACGTTCCCAACCTCTTCTCCCTGCAGCTTTGTGGTGCTGGCTTC
L   V   K   Q   T   H   V   P   N   L   F   S   L   Q   L   C   G   A   G   F

CCCCTCAACCAGTCTGAAGTGCTGGCCTCTGTCGGAGGGAGCATGATCATTGGAGGTATC
P   L   N   Q   S   E   V   L   A   S   V   G   G   S   M   I   I   G   G   I

GACCACTCGCTGTACACAGGCAGTCTCTGGTATACACCCATCCGGCGGGAGTGGTATTAT
D   H   S   L   Y   T   G   S   L   W   Y   T   P   I   R   R   E   W   Y   Y

GAGGTCATCATTGTGCGGGTGGAGATCAATGGACAGGATCTGAAAATGGACTGCAAGGAG
E   V   I   I   V   R   V   E   I   N   G   Q   D   L   K   M   D   C   K   E

TACAACTATGACAAGAGCATTGTGGACAGTGGCACCACCAACCTTCGTTTGCCCAAGAAA
Y   N   Y   D   K   S   I   V   D   S   G   T   T   N   L   R   L   P   K   K

GTGTTTGAAGCTGCAGTCAAATCCATCAAGGCAGCCTCCTCCACGGAGAAGTTCCCTGAT
V   F   E   A   A   V   K   S   I   K   A   A   S   S   T   E   K   F   P   D
```

FIGURE 3 (2)

```
GGTTTCTGGCTAGGAGAGCAGCTGGTGTGCTGGCAAGCAGGCACCACCCCTTGGAACATT
 G   F   W   L   G   E   Q   L   V   C   W   Q   A   G   T   T   P   W   N   I

TTCCCAGTCATCTCACTCTACCTAATGGGTGAGGTTACCAACCAGTCCTTCCGCATCACC
 F   P   V   I   S   L   Y   L   M   G   E   V   T   N   Q   S   F   R   I   T

ATCCTTCCGCAGCAATACCTGCGGCCAGTGGAAGATGTGGCCACGTCCCAAGACGACTGT
 I   L   P   Q   Q   Y   L   R   P   V   E   D   V   A   T   S   Q   D   D   C

TACAAGTTTGCCATCTCACAGTCATCCACGGGCACTGTTATGGGAGCTGTTATCATGGAG
 Y   K   F   A   I   S   Q   S   S   T   G   T   V   M   G   A   V   I   M   E

GGCTTCTACGTTGTCTTTGATCGGGCCCGAAAACGAATTGGCTTTGCTGTCAGCGCTTGC
 G   F   Y   V   V   F   D   R   A   R   K   R   I   G   F   A   V   S   A   C

CATGTGCACGATGAGTTCAGGACGGCAGCGGTGGAAGGCCCTTTTGTCACCTTGGACATG
 H   V   H   D   E   F   R   T   A   A   V   E   G   P   F   V   T   L   D   M

GAAGACTGTGGCTACAACATTCCACAGACAGATGAGTCAACCCTCATGACCATAGCCTAT
 E   D   C   G   Y   N   I   P   Q   T   D   E   S   T   L   M   T   I   A   Y

GTCATGGCTGCCATCTGCGCCCTCTTCATGCTGCCACTCTGCCTCATGGTGTGTCAGTGG
 V   M   A   A   I   C   A   L   F   M   L   P   L   C   L   M   V   C   Q   W

CGCTGCCTCCGCTGCCTGCGCCAGCAGCATGATGACTTTGCTGATGACATCTCCCTGCTG
 R   C   L   R   C   L   R   Q   Q   H   D   D   F   A   D   D   I   S   L   L

AAGTGAGGAGGCCCATGGGCAGAAGATAGAGATTCCCCTGGACCACACCTCCGTGGTTCA
 K

CTTTGGTCACAAGTAGGAGACACAGATGGCACCTGTGGCCAGAGCACCTCAGGACCCTCC
CCACCCACCAAATGCCTCTGCCTTGATGGAGAAGGAAAAGGCTGGCAAGGTGGGTTCCAG
GGACTGTACCTGTAGGAAACAGAAAAGAGAAGAAAGAAGCACTCTGCTGGCGGGAATACT
CTTGGTCACCTCAAATTTAAGTCGGGAAATTCTGCTGCTTGAAACTTCAGCCCTGAACCT
TTGTCCACCATTCCTTTAAATTCTCCAACCCAAAGTATTCTTCTTTTCTTAGTTTCAGAA
GTACTGGCATCACACGCAGGTTACCTTGGCGTGTGTCCCTGTGGTACCCTGGCAGAGAAG
AGACCAAGCTTGTTTCCCTGCTGGCCAAAGTCAGTAGGAGAGGATGCACAGTTTGCTATT
TGCTTTAGAGACAGGGACTGTATAAACAAGCCTAACATTGGTGCAAAGATTGCCTCTTGA
ATTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

FIGURE 4

```
ATGGCCCCAGCGCTGCACTGGCTCCTGCTATGGGTGGGCTCGGGAATGCTGCCTGCCCAG
 M  A  P  A  L  H  W  L  L  L  W  V  G  S  G  M  L  P  A  Q
GGAACCCATCTCGGCATCCGGCTGCCCCTTCGCAGCGGCCTGGCAGGGCCACCCCTGGGC
 G  T  H  L  G  I  R  L  P  L  R  S  G  L  A  G  P  P  L  G
CTGAGGCTGCCCCGGGAGACTGACGAGGAATCGGAGGAGCCTGGCCGGAGAGGCAGCTTT
 L  R  L  P  R  E  T  D  E  E  S  E  E  P  G  R  R  G  S  F
GTGGAGATGGTGGACAACCTGAGGGGAAAGTCCGGCCAGGGCTACTATGTGGAGATGACC
 V  E  M  V  D  N  L  R  G  K  S  G  Q  G  Y  Y  V  E  M  T
GTAGGCAGCCCCCCACAGACGCTCAACATCCTGGTGGACACGGGCAGTAGTAACTTTGCA
 V  G  S  P  P  Q  T  L  N  I  L  V  D  T  G  S  S  N  F  A
GTGGGGGCTGCCCCACACCCTTTCCTGCATCGCTACTACCAGAGGCAGCTGTCCAGCACA
 V  G  A  A  P  H  P  F  L  H  R  Y  Y  Q  R  Q  L  S  S  T
TATCGAGACCTCCGAAAGGGTGTGTATGTGCCCTACACCCAGGGCAAGTGGGAGGGGGAA
 Y  R  D  L  R  K  G  V  Y  V  P  Y  T  Q  G  K  W  E  G  E
CTGGGCACCGACCTGGTGAGCATCCCTCATGGCCCCAACGTCACTGTGCGTGCCAACATT
 L  G  T  D  L  V  S  I  P  H  G  P  N  V  T  V  R  A  N  I
GCTGCCATCACTGAATCGGACAAGTTCTTCATCAATGGTTCCAACTGGGAGGGCATCCTA
 A  A  I  T  E  S  D  K  F  F  I  N  G  S  N  W  E  G  I  L
GGGCTGGCCTATGCTGAGATTGCCAGGCCCGACGACTCTTTGGAGCCCTTCTTTGACTCC
 G  L  A  Y  A  E  I  A  R  P  D  D  S  L  E  P  F  F  D  S
CTGGTGAAGCAGACCCACATTCCCAACATCTTTTCCCTGCAGCTCTGTGGCGCTGGCTTC
 L  V  K  Q  T  H  I  P  N  I  F  S  L  Q  L  C  G  A  G  F
CCCCTCAACCAGACCGAGGCACTGGCCTCGGTGGGAGGGAGCATGATCATTGGTGGTATC
 P  L  N  Q  T  E  A  L  A  S  V  G  G  S  M  I  I  G  G  I
GACCACTCGCTATACACGGGCAGTCTCTGGTACACACCCATCCGGCGGGAGTGGTATTAT
 D  H  S  L  Y  T  G  S  L  W  Y  T  P  I  R  R  E  W  Y  Y
GAAGTGATCATTGTACGTGTGGAAATCAATGGTCAAGATCTCAAGATGGACTGCAAGGAG
 E  V  I  I  V  R  V  E  I  N  G  Q  D  L  K  M  D  C  K  E
TACAACTACGACAAGAGCATTGTGGACAGTGGGACCACCAACCTTCGCTTGCCCAAGAAA
 Y  N  Y  D  K  S  I  V  D  S  G  T  T  N  L  R  L  P  K  K
GTATTTGAAGCTGCCGTCAAGTCCATCAAGGCAGCCTCCTCGACGGAGAAGTTCCCGGAT
 V  F  E  A  A  V  K  S  I  K  A  A  S  S  T  E  K  F  P  D
GGCTTTTGGCTAGGGGAGCAGCTGGTGTGCTGGCAAGCAGGCACGACCCCTTGGAACATT
 G  F  W  L  G  E  Q  L  V  C  W  Q  A  G  T  T  P  W  N  I
TTCCCAGTCATTTCACTTTACCTCATGGGTGAAGTCACCAATCAGTCCTTCCGCATCACC
 F  P  V  I  S  L  Y  L  M  G  E  V  T  N  Q  S  F  R  I  T
ATCCTTCCTCAGCAATACCTACGGCCGGTGGAGGACGTGGCCACGTCCCAAGACGACTGT
 I  L  P  Q  Q  Y  L  R  P  V  E  D  V  A  T  S  Q  D  D  C
TACAAGTTCGCTGTCTCACAGTCATCCACGGGCACTGTTATGGGAGCCGTCATCATGGAA
 Y  K  F  A  V  S  Q  S  S  T  G  T  V  M  G  A  V  I  M  E
GGTTTCTATGTCGTCTTCGATCGAGCCCGAAAGCGAATTGGCTTTGCTGTCAGCGCTTGC
 G  F  Y  V  V  F  D  R  A  R  K  R  I  G  F  A  V  S  A  C
CATGTGCACGATGAGTTCAGGACGGCGGCAGTGGAAGGTCCGTTTGTTACGGCAGACATG
 H  V  H  D  E  F  R  T  A  A  V  E  G  P  F  V  T  A  D  M
GAAGACTGTGGCTACAACATTCCCCAGACAGATGAGTCAACACTTATGACCATAGCCTAT
 E  D  C  G  Y  N  I  P  Q  T  D  E  S  T  L  M  T  I  A  Y
GTCATGGCGGCCATCTGCGCCCTCTTCATGTTGCCACTCTGCCTCATGGTATGTCAGTGG
 V  M  A  A  I  C  A  L  F  M  L  P  L  C  L  M  V  C  Q  W
CGCTGCCTGCGTTGCCTGCGCCACCAGCACGATGACTTTGCTGATGACATCTCCCTGCTC
 R  C  L  R  C  L  R  H  Q  H  D  D  F  A  D  D  I  S  L  L
AAGTAAGGAGGCTCGTGGGCAGATGATGGAGACGCCCCTGGACCACATCTGGGTGGTTCC
 K
CTTTGGTCACATGAGTTGGAGCTATGGATGGTACCTGTGGCCAGAGCACCTCAGGACCCT
CACCAACCTGCCAATGCTTCTGGCGTGACAGAACAGAGAAATCAGGCAAGCTGGATTACA
GGGCTTGCACCTGTAGGACACAGGAGAGGGAAGCAAGCAGCGTTCTGGTGGCAGGAATAT
CCTTAGGCACCACAAACTTGAGTTGGAAATTTTGCTGCTTGAAGCTTCAGCCCTGACCCT
CTGCCCAGCATCCTTTAGAGTCTCCAACCTAAAGTATTCTTTATGTCCTTCCAGAAGTAC
```

TGGCGTCATACTCAGGCTACCCGGCATGTGTCCCTGTGGTACCCTGGCAGAGAAAGGGCC
AATCTCATTCCCTGCTGGCCAAAGTCAGCAGAAGAAGGTGAAGTTTGCCAGTTGCTTTAG
TGATAGGGACTGCAGACTCAAGCCTACACTGGTACAAAGACTGCGTCTTGAGATAAACAA
GAA

FIGURE 5

```
  1 MAQALPWLLLWMGAGVLPAHGTQHGIRLPLRSGLGGAPLGLRLPRETDEE  50
    || || |||||·|·|·||| ||  ||||||||||| | ||||||||||||||
  1 MAPALHWLLLWVGSGMLPAQGTHLGIRLPLRSGLAGPPLGLRLPRETDEE  50

 51 PEEPGRRGSFVEMVDNLRGKSGQGYYVEMTVGSPPQTLNILVDTGSSNFA 100
    ||||||||||||||||||||||||||||||||||||||||||||||||||
 51 SEEPGRRGSFVEMVDNLRGKSGQGYYVEMTVGSPPQTLNILVDTGSSNFA 100

101 VGAAPHPFLHRYYQRQLSSTYRDLRKGVYVPYTQGKWEGELGTDLVSIPH 150
    ||||||||||||||||||||||||||||||||||||||||||||||||||
101 VGAAPHPFLHRYYQRQLSSTYRDLRKGVYVPYTQGKWEGELGTDLVSIPH 150

151 GPNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARPDDSLEPFFDS 200
    ||||||||||||||||||||||||||||||||||||||||||||||||||
151 GPNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARPDDSLEPFFDS 200

201 LVKQTHVPNLFSLQLCGAGFPLNQSEVLASVGGSMIIGGIDHSLYTGSLW 250
    ||||||:||:||||||||||||||·| |||||||||||||||||||||||
201 LVKQTHIPNIFSLQLCGAGFPLNQTEALASVGGSMIIGGIDHSLYTGSLW 250

251 YTPIRREWYYEVIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRLPKK 300
    ||||||||||||||||||||||||||||||||||||||||||||||||||
251 YTPIRREWYYEVIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRLPKK 300

301 VFEAAVKSIKAASSTEKFPDGFWLGEQLVCWQAGTTPWNIFPVISLYLMG 350
    ||||||||||||||||||||||||||||||||||||||||||||||||||
301 VFEAAVKSIKAASSTEKFPDGFWLGEQLVCWQAGTTPWNIFPVISLYLMG 350

351 EVTNQSFRITILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIME 400
    |||||||||||||||||||||||||||||||||||:|||||||||||||
351 EVTNQSFRITILPQQYLRPVEDVATSQDDCYKFAVSQSSTGTVMGAVIME 400

401 GFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTLDMEDCGYNIPQT 450
    ||||||||||||||||||||||||||||||||||| ||||||||||||||
401 GFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTADMEDCGYNIPQT 450

451 DESTLMTIAYVMAAICALFMLPLCLMVCQWRCLRCLRQQHDDFADDISLL 500
    ||||||||||||||||||||||||||||||||||||| ||||||||||||
451 DESTLMTIAYVMAAICALFMLPLCLMVCQWRCLRCLRHQHDDFADDISLL 500

501 K 501
    |
501 K 501
```

FIGURE 6 (1)

```
ATGGCTAGCATGACTGGTGGACAGCAAATGGGTCGCGGATCCACCCAGCACGGCATCCGG
 M   A   S   M   T   G   G   Q   Q   M   G   R   G   S   T   Q   H   G   I   R

CTGCCCCTGCGCAGCGGCCTGGGGGGCGCCCCCCTGGGGCTGCGGCTGCCCCGGGAGACC
 L   P   L   R   S   G   L   G   G   A   P   L   G   L   R   L   P   R   E   T

GACGAAGAGCCCGAGGAGCCCGGCCGGAGGGGCAGCTTTGTGGAGATGGTGGACAACCTG
 D   E   E   P   E   E   P   G   R   R   G   S   F   V   E   M   V   D   N   L

AGGGGCAAGTCGGGGCAGGGCTACTACGTGGAGATGACCGTGGGCAGCCCCCCGCAGACG
 R   G   K   S   G   Q   G   Y   Y   V   E   M   T   V   G   S   P   P   Q   T

CTCAACATCCTGGTGGATACAGGCAGCAGTAACTTTGCAGTGGGTGCTGCCCCCCACCCC
 L   N   I   L   V   D   T   G   S   S   N   F   A   V   G   A   A   P   H   P

TTCCTGCATCGCTACTACCAGAGGCAGCTGTCCAGCACATACCGGGACCTCCGGAAGGGC
 F   L   H   R   Y   Y   Q   R   Q   L   S   S   T   Y   R   D   L   R   K   G

GTGTATGTGCCCTACACCCAGGGCAAGTGGGAAGGGGAGCTGGGCACCGACCTGGTAAGC
 V   Y   V   P   Y   T   Q   G   K   W   E   G   E   L   G   T   D   L   V   S

ATCCCCCATGGCCCCAACGTCACTGTGCGTGCCAACATTGCTGCCATCACTGAATCAGAC
 I   P   H   G   P   N   V   T   V   R   A   N   I   A   A   I   T   E   S   D

AAGTTCTTCATCAACGGCTCCAACTGGGAAGGCATCCTGGGGCTGGCCTATGCTGAGATT
 K   F   F   I   N   G   S   N   W   E   G   I   L   G   L   A   Y   A   E   I

GCCAGGCCTGACGACTCCCTGGAGCCTTTCTTTGACTCTCTGGTAAAGCAGACCCACGTT
 A   R   P   D   D   S   L   E   P   F   F   D   S   L   V   K   Q   T   H   V

CCCAACCTCTTCTCCCTGCAGCTTTGTGGTGCTGGCTTCCCCCCTCAACCAGTCTGAAGTG
 P   N   L   F   S   L   Q   L   C   G   A   G   F   P   L   N   Q   S   E   V

CTGGCCTCTGTCGGAGGGAGCATGATCATTGGAGGTATCGACCACTCGCTGTACACAGGC
 L   A   S   V   G   G   S   M   I   I   G   G   I   D   H   S   L   Y   T   G

AGTCTCTGGTATACACCCATCCGGCGGGAGTGGTATTATGAGGTCATCATTGTGCGGGTG
 S   L   W   Y   T   P   I   R   R   E   W   Y   Y   E   V   I   I   V   R   V

GAGATCAATGGACAGGATCTGAAAATGGACTGCAAGGAGTACAACTATGACAAGAGCATT
 E   I   N   G   Q   D   L   K   M   D   C   K   E   Y   N   Y   D   K   S   I

GTGGACAGTGGCACCACCAACCTTCGTTTGCCCAAGAAAGTGTTTGAAGCTGCAGTCAAA
 V   D   S   G   T   T   N   L   R   L   P   K   K   V   F   E   A   A   V   K

TCCATCAAGGCAGCCTCCTCCACGGAGAAGTTCCCTGATGGTTTCTGGCTAGGAGAGCAG
 S   I   K   A   A   S   S   T   E   K   F   P   D   G   F   W   L   G   E   Q

CTGGTGTGCTGGCAAGCAGGCACCACCCCTTGGAACATTTTCCCAGTCATCTCACTCTAC
 L   V   C   W   Q   A   G   T   T   P   W   N   I   F   P   V   I   S   L   Y

CTAATGGGTGAGGTTACCAACCAGTCCTTCCGCATCACCATCCTTCCGCAGCAATACCTG
 L   M   G   E   V   T   N   Q   S   F   R   I   T   I   L   P   Q   Q   Y   L

CGGCCAGTGGAAGATGTGGCCACGTCCCAAGACGACTGTTACAAGTTTGCCATCTCACAG
```

11/20

FIGURE 6 (2)

```
R   P   V   E   D   V   A   T   S   Q   D   D   C   Y   K   F   A   I   S   Q

TCATCCACGGGCACTGTTATGGGAGCTGTTATCATGGAGGGCTTCTACGTTGTCTTTGAT
S   S   T   G   T   V   M   G   A   V   I   M   E   G   F   Y   V   V   F   D

CGGGCCCGAAAACGAATTGGCTTTGCTGTCAGCGCTTGCCATGTGCACGATGAGTTCAGG
R   A   R   K   R   I   G   F   A   V   S   A   C   H   V   H   D   E   F   R

ACGGCAGCGGTGGAAGGCCCTTTTGTCACCTTGGACATGGAAGACTGTGGCTACAACATT
T   A   A   V   E   G   P   F   V   T   L   D   M   E   D   C   G   Y   N   I

CCACAGACAGATGAGTCATGA
P   Q   T   D   E   S   *
```

FIGURE 7 (1)

```
ATGGCTAGCATGACTGGTGGACAGCAAATGGGTCGCGGATCGATGACTATCTCTGACTCT
 M   A   S   M   T   G   G   Q   Q   M   G   R   G   S   M   T   I   S   D   S

CCGCGTGAACAGGACGGATCCACCCAGCACGGCATCCGGCTGCCCCTGCGCAGCGGCCTG
 P   R   E   Q   D   G   S   T   Q   H   G   I   R   L   P   L   R   S   G   L

GGGGGCGCCCCCCTGGGGCTGCGGCTGCCCCGGGAGACCGACGAAGAGCCCGAGGAGCCC
 G   G   A   P   L   G   L   R   L   P   R   E   T   D   E   E   P   E   E   P

GGCCGGAGGGGCAGCTTTGTGGAGATGGTGGACAACCTGAGGGGCAAGTCGGGGCAGGGC
 G   R   R   G   S   F   V   E   M   V   D   N   L   R   G   K   S   G   Q   G

TACTACGTGGAGATGACCGTGGGCAGCCCCCCGCAGACGCTCAACATCCTGGTGGATACA
 Y   Y   V   E   M   T   V   G   S   P   P   Q   T   L   N   I   L   V   D   T

GGCAGCAGTAACTTTGCAGTGGGTGCTGCCCCCCACCCCTTCCTGCATCGCTACTACCAG
 G   S   S   N   F   A   V   G   A   A   P   H   P   F   L   H   R   Y   Y   Q

AGGCAGCTGTCCAGCACATACCGGGACCTCCGGAAGGGCGTGTATGTGCCCTACACCCAG
 R   Q   L   S   S   T   Y   R   D   L   R   K   G   V   Y   V   P   Y   T   Q

GGCAAGTGGGAAGGGGAGCTGGGCACCGACCTGGTAAGCATCCCCCATGGCCCCAACGTC
 G   K   W   E   G   E   L   G   T   D   L   V   S   I   P   H   G   P   N   V

ACTGTGCGTGCCAACATTGCTGCCATCACTGAATCAGACAAGTTCTTCATCAACGGCTCC
 T   V   R   A   N   I   A   A   I   T   E   S   D   K   F   F   I   N   G   S

AACTGGGAAGGCATCCTGGGGCTGGCCTATGCTGAGATTGCCAGGCCTGACGACTCCCTG
 N   W   E   G   I   L   G   L   A   Y   A   E   I   A   R   P   D   D   S   L

GAGCCTTTCTTTGACTCTCTGGTAAAGCAGACCCACGTTCCCAACCTCTTCTCCCTGCAG
 E   P   F   F   D   S   L   V   K   Q   T   H   V   P   N   L   F   S   L   Q

CTTTGTGGTGCTGGCTTCCCCCTCAACCAGTCTGAAGTGCTGGCCTCTGTCGGAGGGAGC
 L   C   G   A   G   F   P   L   N   Q   S   E   V   L   A   S   V   G   G   S

ATGATCATTGGAGGTATCGACCACTCGCTGTACACAGGCAGTCTCTGGTATACACCCATC
 M   I   I   G   G   I   D   H   S   L   Y   T   G   S   L   W   Y   T   P   I

CGGCGGGAGTGGTATTATGAGGTCATCATTGTGCGGGTGGAGATCAATGGACAGGATCTG
 R   R   E   W   Y   Y   E   V   I   I   V   R   V   E   I   N   G   Q   D   L

AAAATGGACTGCAAGGAGTACAACTATGACAAGAGCATTGTGGACAGTGGCACCACCAAC
 K   M   D   C   K   E   Y   N   Y   D   K   S   I   V   D   S   G   T   T   N

CTTCGTTTGCCCAAGAAAGTGTTTGAAGCTGCAGTCAAATCCATCAAGGCAGCCTCCTCC
 L   R   L   P   K   K   V   F   E   A   A   V   K   S   I   K   A   A   S   S

ACGGAGAAGTTCCCTGATGGTTTCTGGCTAGGAGAGCAGCTGGTGTGCTGGCAAGCAGGC
 T   E   K   F   P   D   G   F   W   L   G   E   Q   L   V   C   W   Q   A   G

ACCACCCCTTGGAACATTTTCCCAGTCATCTCACTCTACCTAATGGGTGAGGTTACCAAC
 T   T   P   W   N   I   F   P   V   I   S   L   Y   L   M   G   E   V   T   N
```

FIGURE 7 (2)

CAGTCCTTCCGCATCACCATCCTTCCGCAGCAATACCTGCGGCCAGTGGAAGATGTGGCC
Q   S   F   R   I   T   I   L   P   Q   Q   Y   L   R   P   V   E   D   V   A

ACGTCCCAAGACGACTGTTACAAGTTTGCCATCTCACAGTCATCCACGGGCACTGTTATG
T   S   Q   D   D   C   Y   K   F   A   I   S   Q   S   S   T   G   T   V   M

GGAGCTGTTATCATGGAGGGCTTCTACGTTGTCTTTGATCGGGCCCGAAAACGAATTGGC
G   A   V   I   M   E   G   F   Y   V   V   F   D   R   A   R   K   R   I   G

TTTGCTGTCAGCGCTTGCCATGTGCACGATGAGTTCAGGACGGCAGCGGTGGAAGGCCCT
F   A   V   S   A   C   H   V   H   D   E   F   R   T   A   A   V   E   G   P

TTTGTCACCTTGGACATGGAAGACTGTGGCTACAACATTCCACAGACAGATGAGTCATGA
F   V   T   L   D   M   E   D   C   G   Y   N   I   P   Q   T   D   E   S   *

FIGURE 8 (1)

```
ATGACTCAGCATGGTATTCGTCTGCCACTGCGTAGCGGTCTGGGTGGTGCTCCACTGGGT
 M  T  Q  H  G  I  R  L  P  L  R  S  G  L  G  G  A  P  L  G   -

CTGCGTCTGCCCCGGGAGACCGACGAAGAGCCCGAGGAGCCCGGCCGGAGGGGCAGCTTT
 L  R  L  P  R  E  T  D  E  E  P  E  E  P  G  R  R  G  S  F   -

GTGGAGATGGTGGACAACCTGAGGGGCAAGTCGGGGCAGGGCTACTACGTGGAGATGACC
 V  E  M  V  D  N  L  R  G  K  S  G  Q  G  Y  Y  V  E  M  T   -

GTGGGCAGCCCCCCGCAGACGCTCAACATCCTGGTGGATACAGGCAGCAGTAACTTTGCA
 V  G  S  P  P  Q  T  L  N  I  L  V  D  T  G  S  S  N  F  A   -

GTGGGTGCTGCCCCCCACCCCTTCCTGCATCGCTACTACCAGAGGCAGCTGTCCAGCACA
 V  G  A  A  P  H  P  F  L  H  R  Y  Y  Q  R  Q  L  S  S  T   -

TACCGGGACCTCCGGAAGGGCGTGTATGTGCCCTACACCCAGGGCAAGTGGGAAGGGGAG
 Y  R  D  L  R  K  G  V  Y  V  P  Y  T  Q  G  K  W  E  G  E   -

CTGGGCACCGACCTGGTAAGCATCCCCCATGGCCCCAACGTCACTGTGCGTGCCAACATT
 L  G  T  D  L  V  S  I  P  H  G  P  N  V  T  V  R  A  N  I   -

GCTGCCATCACTGAATCAGACAAGTTCTTCATCAACGGCTCCAACTGGGAAGGCATCCTG
 A  A  I  T  E  S  D  K  F  F  I  N  G  S  N  W  E  G  I  L   -

GGGCTGGCCTATGCTGAGATTGCCAGGCCTGACGACTCCCTGGAGCCTTTCTTTGACTCT
 G  L  A  Y  A  E  I  A  R  P  D  D  S  L  E  P  F  F  D  S   -

CTGGTAAAGCAGACCCACGTTCCCAACCTCTTCTCCCTGCAGCTTTGTGGTGCTGGCTTC
 L  V  K  Q  T  H  V  P  N  L  F  S  L  Q  L  C  G  A  G  F   -

CCCCTCAACCAGTCTGAAGTGCTGGCCTCTGTCGGAGGGAGCATGATCATTGGAGGTATC
 P  L  N  Q  S  E  V  L  A  S  V  G  G  S  M  I  I  G  G  I   -

GACCACTCGCTGTACACAGGCAGTCTCTGGTATACACCCATCCGGCGGGAGTGGTATTAT
 D  H  S  L  Y  T  G  S  L  W  Y  T  P  I  R  R  E  W  Y  Y   -

GAGGTCATCATTGTGCGGGTGGAGATCAATGGACAGGATCTGAAAATGGACTGCAAGGAG
 E  V  I  I  V  R  V  E  I  N  G  Q  D  L  K  M  D  C  K  E   -

TACAACTATGACAAGAGCATTGTGGACAGTGGCACCACCAACCTTCGTTTGCCCAAGAAA
 Y  N  Y  D  K  S  I  V  D  S  G  T  T  N  L  R  L  P  K  K   -

GTGTTTGAAGCTGCAGTCAAATCCATCAAGGCAGCCTCCTCCACGGAGAAGTTCCCTGAT
 V  F  E  A  A  V  K  S  I  K  A  A  S  S  T  E  K  F  P  D   -

GGTTTCTGGCTAGGAGAGCAGCTGGTGTGCTGGCAAGCAGGCACCACCCCTTGGAACATT
 G  F  W  L  G  E  Q  L  V  C  W  Q  A  G  T  T  P  W  N  I   -

TTCCCAGTCATCTCACTCTACCTAATGGGTGAGGTTACCAACCAGTCCTTTCGCATCACC
 F  P  V  I  S  L  Y  L  M  G  E  V  T  N  Q  S  F  R  I  T   -

ATCCTTCCGCAGCAATACCTGCGGCCAGTGGAAGATGTGGCCACGTCCCAAGACGACTGT
 I  L  P  Q  Q  Y  L  R  P  V  E  D  V  A  T  S  Q  D  D  C   -
```

FIGURE 8 (2)

```
TACAAGTTTGCCATCTCACAGTCATCCACGGGCACTGTTATGGGAGCTGTTATCATGGAG
 Y   K   F   A   I   S   Q   S   S   T   G   T   V   M   G   A   V   I   M   E   -

GGCTTCTACGTTGTCTTTGATCGGGCCCGAAAACGAATTGGCTTTGCTGTCAGCGCTTGC
 G   F   Y   V   V   F   D   R   A   R   K   R   I   G   F   A   V   S   A   C   -

CATTAG
 H   *
```
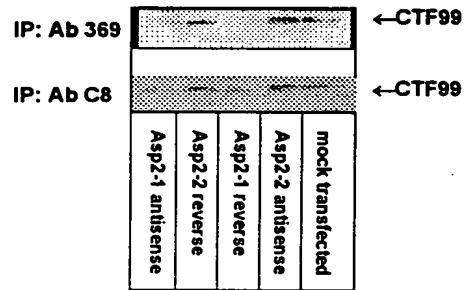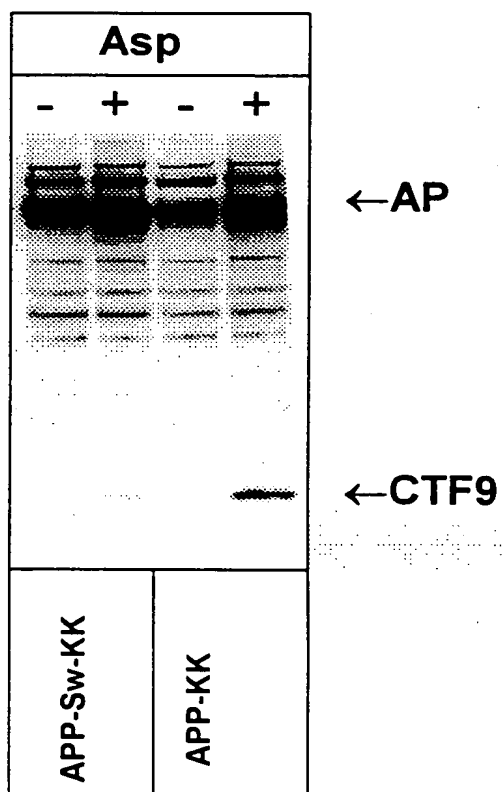
FIGURE 9

FIGURE 10

FIGURE 11

MAQALPWLLLWMGAGVLPAHGTQHGIRLPLRSGLGGAPLGLRLPRETDEE
PEEPGRRGSFVEMVDNLRGKSGQGYYVEMTVGSPPQTLNILVDTGSSNFA
VGAAPHPFLHRYYQRQLSSTYRDLRKGVYVPYTQGKWEGELGTDLVSIPH
GPNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARPDDSLEPFFDS
LVKQTHVPNLFSLQLCGAGFPLNQSEVLASVGGSMIIGGIDHSLYTGSLW
YTPIRREWYYEVIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRLPKK
VFEAAVKSIKAASSTEKFPDGFWLGEQLVCWQAGTTPWNIFPVISLYLMG
EVTNQSFRITILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIME
GFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTLDMEDCGYNIPQT
DES

FIGURE 12

MAQALPWLLLWMGAGVLPAHGTQHGIRLPLRSGLGGAPLGLRLPRETDEE
PEEPGRRGSFVEMVDNLRGKSGQGYYVEMTVGSPPQTLNILVDTGSSNFA
VGAAPHPFLHRYYQRQLSSTYRDLRKGVYVPYTQGKWEGELGTDLVSIPH
GPNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARPDDSLEPFFDS
LVKQTHVPNLFSLQLCGAGFPLNQSEVLASVGGSMIIGGIDHSLYTGSLW
YTPIRREWYYEVIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRLPKK
VFEAAVKSIKAASSTEKFPDGFWLGEQLVCWQAGTTPWNIFPVISLYLMG
EVTNQSFRITILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIME
GFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTLDMEDCGYNIPQT
DESHHHHHH